



***Green Your Fleet!***

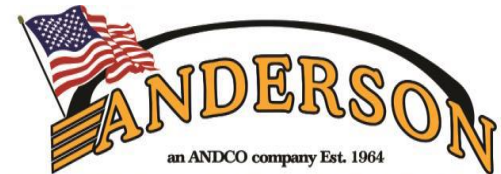


***June 1, 2018  
Loudon, NH***

***Green Your Fleet! EMERALD Sponsors:***



**NEW ENGLAND  
KENWORTH**



**BLUE BIRD BUS SALES OF NEW ENGLAND**  
[www.andersonmotors.com](http://www.andersonmotors.com)



Property of ICOM North America

# Fleet Partner and Installation/Service Partner



## Eastern Propane and City of Boston



### Why Choose Propane-Autogas?

- Propane-autogas-fueled vehicles have existed for almost 100 years.
- Approximately 17 million propane-autogas-fueled vehicles are in operation around the globe.
- Propane autogas is the most widely used alternative transportation fuel in the world.

### Economical

- ✓ Costs less per gallon than gasoline or diesel fuel.
- ✓ Lower maintenance costs.
- ✓ Incentives available for fleet use.



Courtesy of:



## Why Choose Eastern?

When you choose to do your propane-autogas business with Eastern you are choosing a company that has been in the propane-autogas industry for over 50 years. Over the past 5 decades our team has gained unmatched experience and knowledge on propane fuel systems and vehicle conversions. The Eastern team is able to use that knowledge to provide our customers with service that is second to none. Our team is able to assist you with your vehicle conversions, design, build and install on-site fueling stations to suit your needs and can even offer support and service for your propane fuel systems. When you choose Eastern you are choosing a business partner that will be there to help and assist your business with every aspect your propane-autogas needs.





# ***At ICOM North America***

***We Have One Of The Best and Most Positive Missions:***

***First:***

***HELPING FLEETS TO ACHIEVE AS SEAMLESSLY AS POSSIBLE***



***CLEANER AIR***



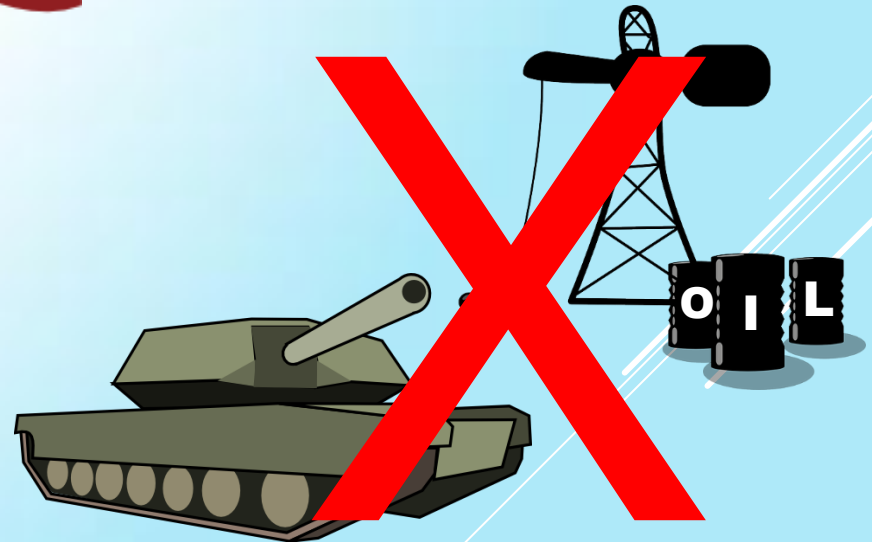
***REDUCE EMISSIONS  
BY UP TO 60%***



# ***DOMESTIC FUEL SOURCE***

***USA  
ENERGY SECURITY!***

***NO WARS!!!***



# ***LARGE FUEL COST SAVINGS TO FLEETS***

***Inexpensive and easy to use fueling infrastructure:***



***GOING GREEN !!!***



***Rolling it all together for the fleets  
( fuel-station-vehicle-service point )***

# ***Hundreds of ICOM Fleet Success Stories Including:***

## **PUBLIC SECTOR:**

- ***US National Park Services***
  - ***An Icom customer for 5 years with many contracts across the country***
- ***WSDOT***
  - ***An Icom customer for 3 years with hundreds of systems***
- ***Yale University***
  - ***An Icom customer for 2 years with a couple dozen systems***
- ***Numerous Para-Transit & Shuttle bus companies Around the country***
  - ***With well OVER 1,000 systems as far back as 6 years***
- ***Springfield Illinois Police Dept.***
  - ***An Icom customer for 5 years with approximately 80 systems, including 50 police vehicles***
- ***Columbus OH Airport Authority Shuttle Buses***
  - ***An Icom customer for 6 years with over 60 shuttle buses***
- ***Wyandotte County KS***
  - ***An Icom Customer for 5 years with approximately 80 systems***
- ***City of Boston***
  - ***An Icom customer for 3 years with a few dozen vehicles***
- ***City of Livonia MI***
  - ***An Icom customer for 4 years with dozens of vehicles***



***All the above fleets and many others continue to add Icom systems each year!***

# ***Hundreds of ICOM Fleet Success Stories Including:***

## **PUBLIC SECTOR:**

- ***UPS***
  - ***An Icom customer for 5 years with hundreds and hundreds of systems***
- ***FEDEX Contractors***
  - ***Many Icom customers around the country for 4 years with many dozens of systems***
- ***Metro Cars***
  - ***An Icom customer for 6 years with OVER 500 systems***
- ***Old Town Trolleys***
  - ***An Icom customer for 5 years with a few hundred systems***
- ***Groomes Transportation***
  - ***An Icom customer for 5 years with hundreds of systems across the country***
- ***Super Shuttle***
  - ***An Icom customer for 3 years with dozens of systems***
- ***Yellow Cab companies***
  - ***Icom customers for 5 years with hundreds of systems***
- ***Eastern Propane***
  - ***An Icom customer for 4 years with a few hundred systems***





# ***Benefits of Utilizing Propane Autogas***



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*Substantial fuel cost savings as compared to gasoline or diesel*



*Reduce emissions of toxins by up to 30-90% compared to gasoline*



*Domestic – Propane is produced in North America, with large reserves in the U.S. and Canada*

\$\$\$

*Lower maintenance cost*



*Greenhouse gas emissions are reduced approximately 20%*



*Maintains the torque, horsepower, and drivability you would feel in a gasoline vehicle*

*Courtesy of PERC*



*clean air choice*®



**AMERICAN LUNG ASSOCIATION.**  
OF THE UPPER MIDWEST

*For some more information on propane please visit the U.S. Department of Energy, Energy Efficiency and Renewable Energy website or contact your local American Lung Association office.*

### **What is Propane?**

Propane is liquefied petroleum gas that consists of propane, propylene, butane, and butylenes in various mixtures. In the United States, propane is the primary ingredient. Propane is a by-product of natural gas processing and petroleum refining and it is stored under moderate pressure to maintain its liquid state.

### **Why is Propane a Clean Air Choice?**

Propane vehicles produce less tailpipe emissions of virtually all pollutants associated with automobile vehicles that use gasoline or diesel. According to the U.S. Environmental Protection Agency, a typical four-horsepower gasoline lawnmower engines generates almost six times as much volatile organic compound (VOCs) per hour of use as a typical car. Converting small utility engines such as lawnmowers to burn propane can reduce emissions of ozone precursors by one third and increase fuel economy by 14 percent.

### **What are the other benefits of Propane?**

- **Energy Security:** the majority of propane used in the U.S. today is domestically produced.
- **Cost:** Propane costs less than gasoline and diesel fuel per gallon
- **Availability:** with numerous propane vehicles available and a national infrastructure of pipelines, processing facilities, and storage already exists for the efficient distribution of propane, the propane option is accessible to the masses.

### **American Lung Association of The Upper Midwest**

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St. Paul, MN 55103-2441

Phone: 651-227-8014

Fax: 651-227-5459

Email: [cleanairchoice@lungum.org](mailto:cleanairchoice@lungum.org)

# ***ICOM Systems and Technology in North America***

*Approximately:*

- *30,000 Propane Liquid Injection Systems in use in North America utilizing Icom Technology*
- *Fleets enjoyed a huge fuel cost savings of over \$1,500,000,000 to date*
- ***Estimated emissions reduction over 35% and Particulate Matter reduced to **Zero!*****
- ***APPROACHING 1 BILLION GALLONS OF PROPANE AUTOGAS UTILIZED!***
- *900,000,000 gallons of gasoline and diesel displaced*
- ***7.5 Billion** miles driven safely!*
- *Icom is working hard with our partners and Dealers to place over **100,000 Icom systems** on the road in the next 5 years*



# ***EPA Certifications***

***The Icom JTG II system is EPA Certified for over 1,200 2009-2018 vehicle platforms including many Ford models.***

***The Total Solution for any Type of Fleet!***



**E150  
E250  
E350**



**F150  
F250  
F350**



**F450 F550  
F550 F650  
F750**



**E450**



**Ford Taurus  
Lincoln MKZ**



**Ford Explorer  
Lincoln MKT**



**Lincoln Navigator  
Ford Expedition**



**Ford Transit**



**F53  
F59  
(Bakery, Linen,  
FedEx type  
box trucks)**



*Please confirm with Icom engine family  
Property of ICOM North America*



# ***EPA Certifications***

***ICOM JTG Liquid Injection Bi-Fuel Propane System is EPA certified for most 2010-2018 GMC and Chevrolet Light trucks and SUV's equipped with the 4.8L, 5.3L engine & 6.0L***



**Chevy Silverado  
GMC Sierra**



**Chevy Express  
GMC Savana**



**Chevy Tahoe  
GMC Yukon  
Chevy Suburban  
Chevy Avalanche**



*Available shortly*

**6.0L HD**



**Chevy Cutaway**



**6.0L 2500HD, 3500HD**

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*Please confirm with Icom engine family*





- 4 stroke marine outboard engines, including:



**2.5 HP**



**5.0 HP**



**9.9 HP**



**15.0 HP**



- Propane conversion systems and engines, including:
  - Briggs & Stratton
  - Kawasaki
  - Subaru
- Used in lawn & garden and commercial applications, including:



- Propane-powered floor burnishing, stripping, polishing and grinding equipment
- Offers both branded “Onyx” equipment, and private labeled equipment to OEMs



# Propane Autogas Repair & Maintenance Facility Requirements.

## Ventilation Requirements

Ventilation requirements for propane autogas are the same as those for gasoline and diesel. This includes ventilation for all workspaces including floor areas, pits, below-grade areas, and subfloors. There is no need for modifications to the building or building design.

## Gas Detection Requirements

Propane gas detection equipment is not required for repair garages and maintenance facilities that service propane autogas vehicles.

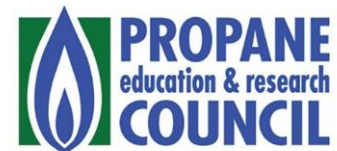
## Questions To Answer Before Building or Modifying A Repair Garage or Maintenance Facility

- Does the existing garage or facility meet current code requirements for traditional liquid fuels(such as gasoline or diesel)?
- Will the facility provide minor repairs, major repairs, or both?
- If the facility provides both minor and major repairs, will the major repair area be separated from the minor repair area?
- Will the facility include an indoor or outdoor propane autogas fueling station?

*Courtesy of:*



Property of ICOM North America





Property of ICOM North America



# Thank You for your interest!

*With the proper use of alternative fuels, we can enjoy increased energy security, increased employment in an emerging sector, and decreased emissions.*



**[www.icomnorthamerica.com](http://www.icomnorthamerica.com)**

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